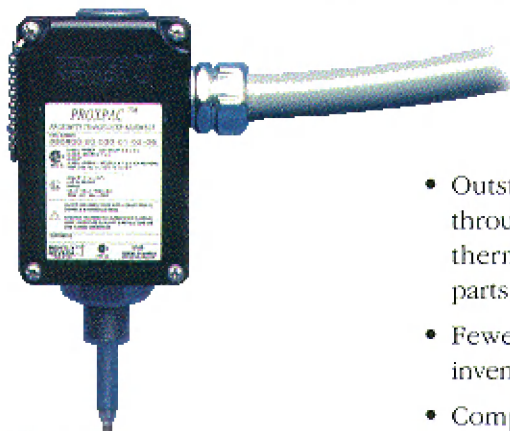


# PROXPAC™ Proximity Transducer saves installation costs



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**B**ently Nevada is pleased to announce an advanced new proximity transducer for radial vibration measurements. It is known as the *PROXPAC Proximity Transducer Assembly* and has the following benefits:

- The Proximitor® Sensor is located *inside the probe housing!* A separate Proximitor Sensor mounted in a separate housing is no longer necessary. The *PROXPAC*, with no separate Proximitor sensor, saves installation and maintenance time, *lowering the cost of ownership.*
- The *PROXPAC* Transducer is easier to install because *field wiring is routed directly into the probe housing.* You no longer have to specify 5 or 9 metre transducer cable lengths for an application.
- Probe to Proximitor® extension cables are no longer part of the package. Since the probe connects directly to the Proximitor Sensor, the extension cable and its coaxial field connection are eliminated, resulting in *improved transducer reliability and reduced cost!*

- Outstanding corrosion resistance through the use of high-strength thermoplastic and stainless steel parts.
- Fewer spare parts to stock, so inventory costs are reduced.
- Compatible with existing Bently Nevada monitors and diagnostic equipment.

The *PROXPAC* Transducer Assembly consists of a 3300 8mm Proximity Probe with a one metre length of cable, a newly-designed Proximitor Sensor, a stainless steel sleeve available in various lengths and a polyphenylene sulfide (PPS) molded thermoplastic housing with captive screws.

The PPS plastic probe housing has had great success in the field since it was

introduced 3½ years ago. This innovative housing is durable and corrosion resistant. A special version of PPS provides a housing that has high tensile strength and impact resistance, while withstanding temperature extremes of -34 to +100°C (-30 to +212°F).

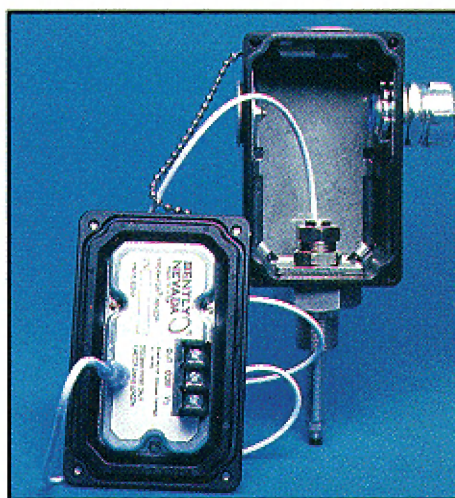
The Proximitor Sensor is attached to the lid of the housing, so that when the housing is opened, all wiring and connections are removed from the sleeve adjustment area. Although service is not normally required, the assembly is convenient to re-configure or disassemble.

## Advantages of externally-mounted probes

The *PROXPAC* Transducer allows you to mount the assembly onto a machine casing with the probe sleeve extending inward to the shaft surface. Sleeves over 305 mm (12 inches) long require support near the probe to stiffen the assembly and avoid the influence of resonance. External probe mounting has these advantages:

- External mounting of proximity probes allows the probe to be removed or adjusted *without disassembling the machine!*
- Probe connections are outside the machine allowing *easy access to probe signals.*
- The housing assembly *protects the probe, cable and Proximitor Sensor*, which reduces the risk of physical damage to these components.

For more information, check the appropriate box on the Reader Service Card or contact your nearest Bently Nevada representative. ■



The *PROXPAC*™ Transducer Assembly is an advanced new transducer with a Proximitor® sensor installed in the housing.